



SAFETY DATA SHEET

Date issued : 03/01/2012
 SDS number : TC-892 FR REV 1 PART B
 Date revised : 02/28/2023
 Revision number : 5

TC-892 FR REV 1 PART B

1. Identification

Product identifier: TC-892 FR REV 1 PART B

Relevant identified uses: Polyurethane curative

Manufacturer / Supplier

BJB Enterprises, Inc.
 14791 Franklin Avenue
 Tustin, CA 92780
Emergency Phone: (714) 734-8450

Emergency telephone number (24 hour)

CHEMTREC (USA & Canada): (800) 424-9300
 or (703) 527-3887 CCN# 2820

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Carcinogenicity, Category 2
 Reproductive Toxicity, Category 2
 Target Organ Toxicity (Repeated exposure), Category 2

Environmental hazards:

Chronic Hazards to the Aquatic Environment, Category 3

Label elements



Health hazard



Exclamation
 mark

Signal word: WARNING

Hazard statement(s)

H351: Suspected of causing cancer.
 H361: Suspected of damaging fertility or the unborn child.
 H373: May cause damage to organs through prolonged or repeated exposure.
 H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention:

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P273: Avoid release to the environment.

Response:

P308+P311: IF exposed or concerned: Call a POISON CENTER/doctor/physician.

Storage:

P405: Store locked up.

Disposal:

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P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Polyether polyol mixture	30 - 60	Proprietary
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	10 - 30	68515-48-0
Decabromodiphenylethane	10 - 30	84852-53-9
Zinc borate	5 - 10	1332-07-6
Antimony oxide	5 - 10	1309-64-4
Titanium dioxide (TiO ₂)	0.1 - 1	13463-67-7

4. First-aid measures

Eye: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical advice/attention if irritation develops.

Skin: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical advice/attention if irritation or rash develops. Wash clothing before reuse.

Ingestion: If swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Provided the patient is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. Seek medical advice/attention if breathing becomes difficult or if respiratory irritation develops.

Indication of immediate medical attention and special treatment needed, if necessary: Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

5. Fire-fighting measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical, or foam.

Hazardous combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen bromide, bromine, and antimony oxide.

Fire fighting procedures: Cool fire exposed containers with water spray. Remove containers from the fire area if possible. Do not release runoff from fire control methods to sewers or waterways.

Fire fighting equipment: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and consider use of unmanned hose holders or monitor nozzles for fighting large fires.

6. Accidental release measures

Small spill: Evacuate unnecessary personnel from the spill area. Wear necessary personal protective equipment (PPE) as specified in the SDS or the site emergency response plan. Eliminate all sources of ignition. Ensure adequate ventilation. Dike and contain spill. Prevent product from entering drains or waterways. Absorb with non-combustible material (such as sand, earth, diatomaceous earth, or vermiculite) and transfer to a container for disposal according to local/national regulations.

Environmental precautions

Water spill: Do not discharge into drains, surface waters, or groundwater.

General procedures: Refer to section 8 of SDS for personal protection details.

Release notes: Composition and extent of any spill should be evaluated against local regulations and reported to the proper agencies, if necessary.

7. Handling and storage

General procedures: Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid breathing vapor over open containers. Avoid open container exposure to damp air. Avoid breathing aerosols, mists, and vapors.

Precautions for safe handling: Use appropriate personal protective equipment as specified in Section 8. Handle in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

Conditions for safe storage: Store in a dry and well-ventilated place, away from excessive heat, in original or similar container. Avoid unnecessary contact. Protect from freezing. Containers should be tightly sealed to prevent contamination with foreign materials.

Storage temperature: 65-80°F (18-27°C)

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Shelf life: 6 months from date of shipment under manufacturers recommended storage conditions.

8. Exposure controls/personal protection**Exposure controls**

Control parameters				
Chemical name	Occupational exposure limit values			
	Type		ppm	mg/m ³
Antimony oxide	OSHA PEL	TWA	-	5
		STEL	-	-
	ACGIH TLV	TWA	-	0.5
		STEL	-	-
	NIOSH REL	TWA	-	0.5
		STEL	-	-
Titanium dioxide (TiO ₂)	OSHA PEL	TWA	- ^[1]	15 ^[1]
	ACGIH TLV	TWA	-	10
Footnotes:				
1. Total dust				

Appropriate engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety goggles or glasses are recommended. Plastic face shields should be used for complete face protection to protect against possible splashing or spraying of material. ANSI Z87.1 or approved equivalent.

Skin protection - hand protection: Chemical-resistant gloves and chemical goggles, face-shield, and synthetic apron or coveralls should be used to prevent contact with eyes, skin, or clothing. Wear nitrile or neoprene gloves. Chemical resistant gloves lined with polyethylene offer maximum protection.

Respiratory protection: Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator (NIOSH approved) may be necessary for certain applications. Consider the type of application, environmental concentrations, and other materials being used concurrently when determining respirator use and selection. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Skin protection - other: Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH.

Occupational hygiene practices: Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited. Wash hands before eating.

Other use precautions: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Training is important. Follow all label precautions.

9. Physical and chemical properties

Physical state: Liquid

Color: White

Odor: Slight

pH: No data available

Initial boiling point and boiling range: No data available

Flash point: 182.2°C (360°F) Pensky-Martens CC

Vapor pressure: No data available

Relative vapor density: No data available

Relative density: 1.33 (water=1) at 25°C (77°F)

Solubility: Slightly soluble

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Dynamic viscosity: 1450 Centipoise at 25°C (77°F)

VOC content: < 1.3 g/l Calculated. Theoretical VOC minus water and exempt solvents.

10. Stability and reactivity

Reactivity: Hazardous reactions will not occur under normal transport or storage conditions.

Chemical stability: This product is stable under normal ambient conditions of temperature and pressure.

Conditions to avoid: High temperatures, moisture, and freezing conditions.

Possibility of hazardous reactions: No data available

Hazardous decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen bromide, bromine, and antimony oxide.

Incompatible materials: Isocyanates, strong acids, strong bases, and strong oxidizing agents.

11. Toxicological information**Acute toxicity**

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Polyether polyol mixture	No data available	No data available	No data available
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	No data available	No data available	No data available
Decabromodiphenylethane	> 5000 mg/kg Rat	> 2000 mg/kg Rabbit	No data available
Zinc borate	> 10000 mg/kg Rat	> 10000 mg/kg Rabbit	No data available
Antimony oxide	> 20000 mg/kg Rat	> 8300 mg/kg Rabbit	> 5200 mg/m ³ Rat
Titanium dioxide (TiO ₂)	> 10000 mg/kg Rat	No data available	> 6.82 mg/l Rat (4 h)

Skin corrosion / irritation: No data available

Serious eye damage / irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity

Chemical name	IARC
Antimony oxide	2B
Titanium dioxide (TiO ₂)	2B

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - single exposure: No data available

Specific Target Organ Toxicity - repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: No data available

12. Ecological information

Ecotoxicological information: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Other adverse effects: This product may cause risk of hazardous effects to the environment.

Mobility in soil: No data available

13. Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some

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product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protections and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

USA Department of Transport Regulations (DOT): Not Regulated

ICAO / IATA - air: Not Regulated

IMO / IMDG - sea: Not Regulated

15. Regulatory information**UNITED STATES****SARA Section 311/312 Hazard Categories**

311/312 Health hazards: Refer to Section 2 for hazard classification.

313 reportable ingredients: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.	Comments
Zinc borate	5 - 10	1332-07-6	Zinc Compounds (Category Code N982)
Antimony oxide	5 - 10	1309-64-4	Antimony Compounds (Category Code N010)

CERCLA regulatory: This product contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Zinc borate	5 - 10	1,000 lbs.
Antimony oxide	5 - 10	1,000 lbs.


TSCA (The Toxic Substances Control Act)

TSCA regulatory: This product does not contain any substances subject to TSCA Section 12(b) export notification.

TSCA Status: This product or its components are listed in or exempt from the TSCA inventory requirements.

Occupational safety and health administration (osha)

29 cfr 1910.119--process safety management of highly hazardous chemicals: None of the chemicals in this product are considered highly hazardous by OSHA.

California Proposition 65:  **WARNING:** This product can expose you to chemicals including [see table below], which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Chemical name	% w/w	Listed
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	10 - 30	● Cancer
Antimony oxide	5 - 10	● Cancer
Titanium dioxide (TiO ₂)	0.1 - 1	● Cancer
Lead monoxide	< 0.01	● Cancer
Arsenic trioxide	< 0.01	● Cancer

USA OSHA Hazard Communication Standard (29CFR 1910.1200): The contents of the SDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

CANADA

WHMIS Regulatory Status: This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

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Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): At least one component is not listed in the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

General comments:

DINP RESTRICTIONS: This product contains diisononyl phthalate (DINP), CAS# 68515-48-0 EINECS# 271-090-9.

In the U.S., there is permanent prohibition on DINP above 0.1 percent by weight (one thousand parts per million) in toys intended for children age 12 and under that can be placed in a child's mouth and child care articles for children age 3 and under [83 FR 3583, 16 CFR PART 1307]. In the EU, DINP shall not be used as substance or as constituents of preparations, at concentrations of greater than 0.1 percent by weight (one thousand parts per million) of the plasticized material, in toys and childcare articles which can be place in the mouth by children. Such toys and childcare articles containing DINP in concentrations greater than the limit mentioned above shall not be placed on the market [Directive 2005/84/EC].

16. Other information

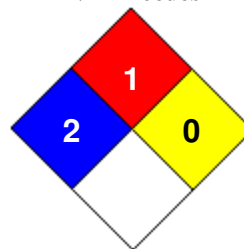
Reason for issue: Revision

Date revised: 02/28/2023

Revision summary: This SDS replaces the 10/04/2019 SDS.

HMIS rating

Health	*	2
Flammability		1
Physical hazard		0
Personal protection	X	

NFPA codes

HMIS ratings notes: Personal Protection: See Section 8

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